

6. CLAIMS

1. A file transmitting method by a server, said method using HTTP to transmit file data to a client

5 connected via the Internet, comprising the steps of:

using the HTTP to perform tunneling of a file transmission protocol that is used in a dedicated program;

managing setting information for setting an operating environment, which is used for executing the
10 dedicated program in the client, beforehand;

transmitting the setting information and the dedicated program in response to a request from the client;
and

transmitting the file data using the dedicated
15 program, according to the setting information.

2. A file transmitting method according to Claim 1, wherein:

the setting information is transmitted to the client as a batch file.

20 3. A file transmitting method according to Claim 1, wherein:

the file data to be transmitted is divided into data having a fixed size, and the data is compressed.

4. A file transmitting method according to Claim 3,
25 wherein:

a checkpoint is given to the divided file data; and when a failure occurs, the checkpoint is used to retransmit the file data from the checkpoint.

5 wherein:
the dedicated program is so devised that multi-platform is supported; and

the dedicated program is downloaded from the server as part of operation of the client.

10 6. A file transmitting method according to Claim 5, wherein:

an electronic certificate, which identifies a manufacturer, is added to the dedicated program.

15 7. A file transmitting method by a client, said method using HTTP to transmit file data to a server connected via the Internet, comprising the steps of:

20 using the HTTP to perform tunneling of a file transmission protocol, which is used in a dedicated program, from the server in response to an instruction to transmit the file data to the server;

receiving setting information for setting an operating environment, which is used for executing the dedicated program;

25 making a first judgment whether or not the setting information has already been stored;

105673 03360

if the setting information has already been stored,
making a second judgment whether or not contents of the
setting information has been changed;

updating the setting information in response to
5 results of the first and the second judgment; and
transmitting the file using the dedicated program,
according to the setting information.

8. A file transmitting system for transmitting file
data between a client and a server via the Internet,
10 comprising:

a dedicated program that uses HTTPS to transmit the
file data; and

setting information for setting an operating
environment, which is used for executing the dedicated
15 program.

9. A file transmitting system according to Claim 8,
wherein:

the dedicated program is so devised that multi-
platform is supported; and

20 an electronic certificate, which identifies a
manufacturer, is added to the dedicated program.

10. A file transmitting system according to Claim 8,
wherein:

at least one of a version management function of the
25 dedicated program, a file uploading function, a file

1005375-01300

downloading function, a function of divided transmission of file data, a function of compressing transferred data, a function of retransmission from a checkpoint, a function of monitoring timer is implemented in the HTTPS.

- 5 11. A file transmitting system according to Claim 8, wherein:

 setting information, which is used for executing the dedicated program, is downloaded from the server to the client.

10

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50